

HARRIMAN UTILITY BOARD  
HARRIMAN, TENNESSEE

SCALE:	APPROVED BY	DRAWN BY
DATE:		
		DRAWING NUMBER



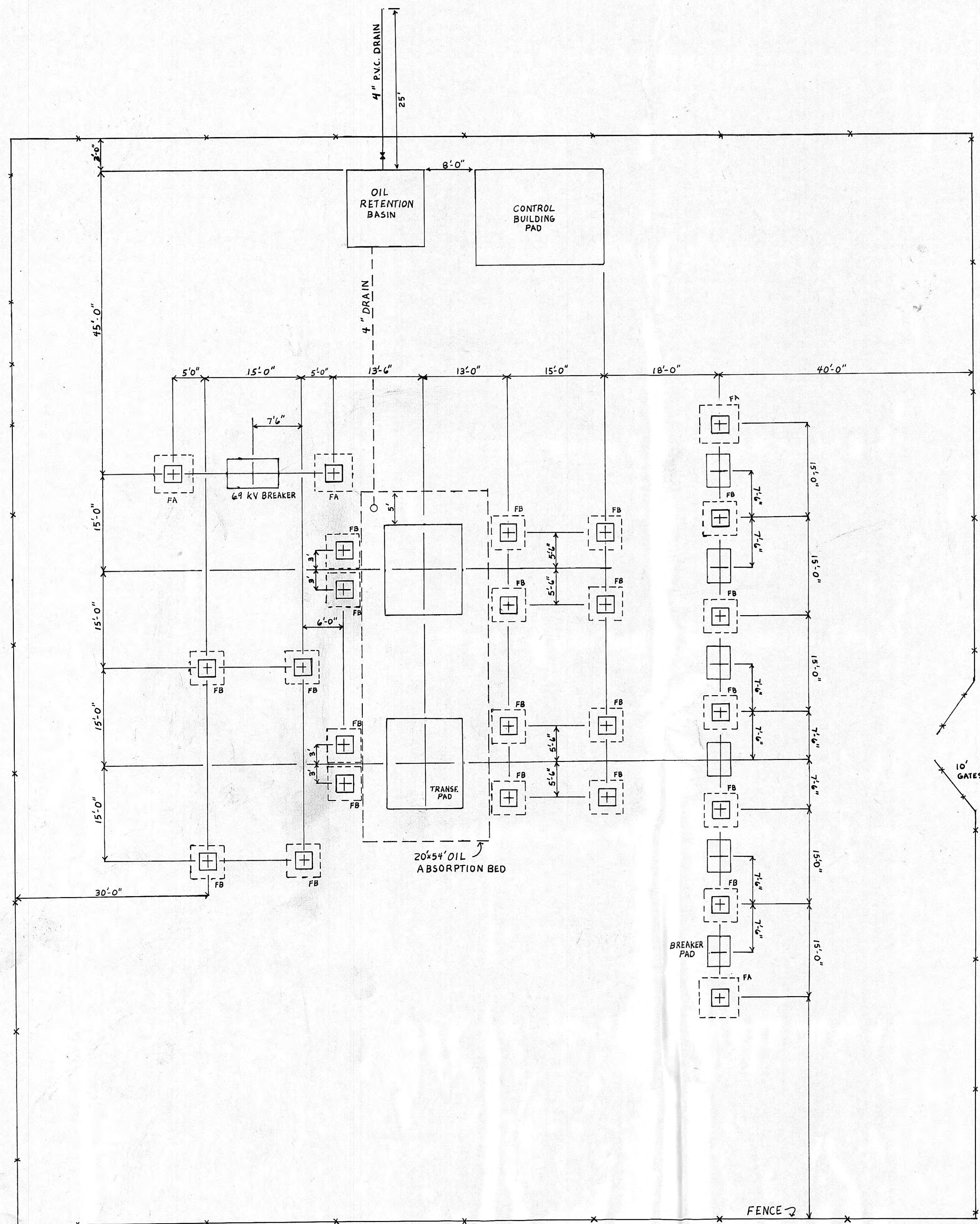
WATER PLANT

MARGRAVE ST.



HARRIMAN UTILITY BOARD HARRIMAN, TENNESSEE			
SCALE: 1"=20'		APPROVED BY	
DATE: 3/7/97		DRAWN BY R. BLEVINS	
HARRIMAN DISTRICT SUBSTATION			
TOPOGRAPHY PLAN			DRAWING NUMBER 1 of 1

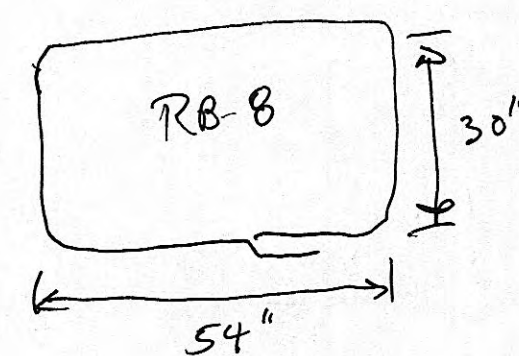
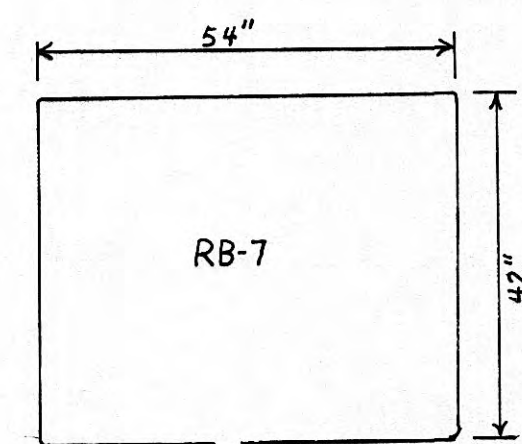




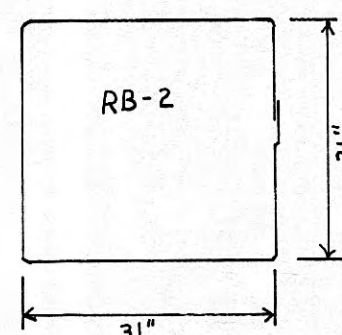
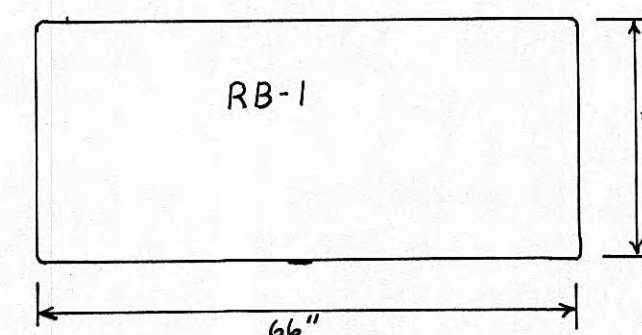
W.D. 460			
HARRIMAN UTILITY BOARD			
HARRIMAN, TENNESSEE			
SCALE: 1" = 10'		APPROVED BY	
DATE: 5/13/97		DRAWN BY	
		R. BLEVINS	
HARRIMAN DISTRICT SUBSTATION			
FOUNDATION & FENCE PLAN			DRAWING NUMBER



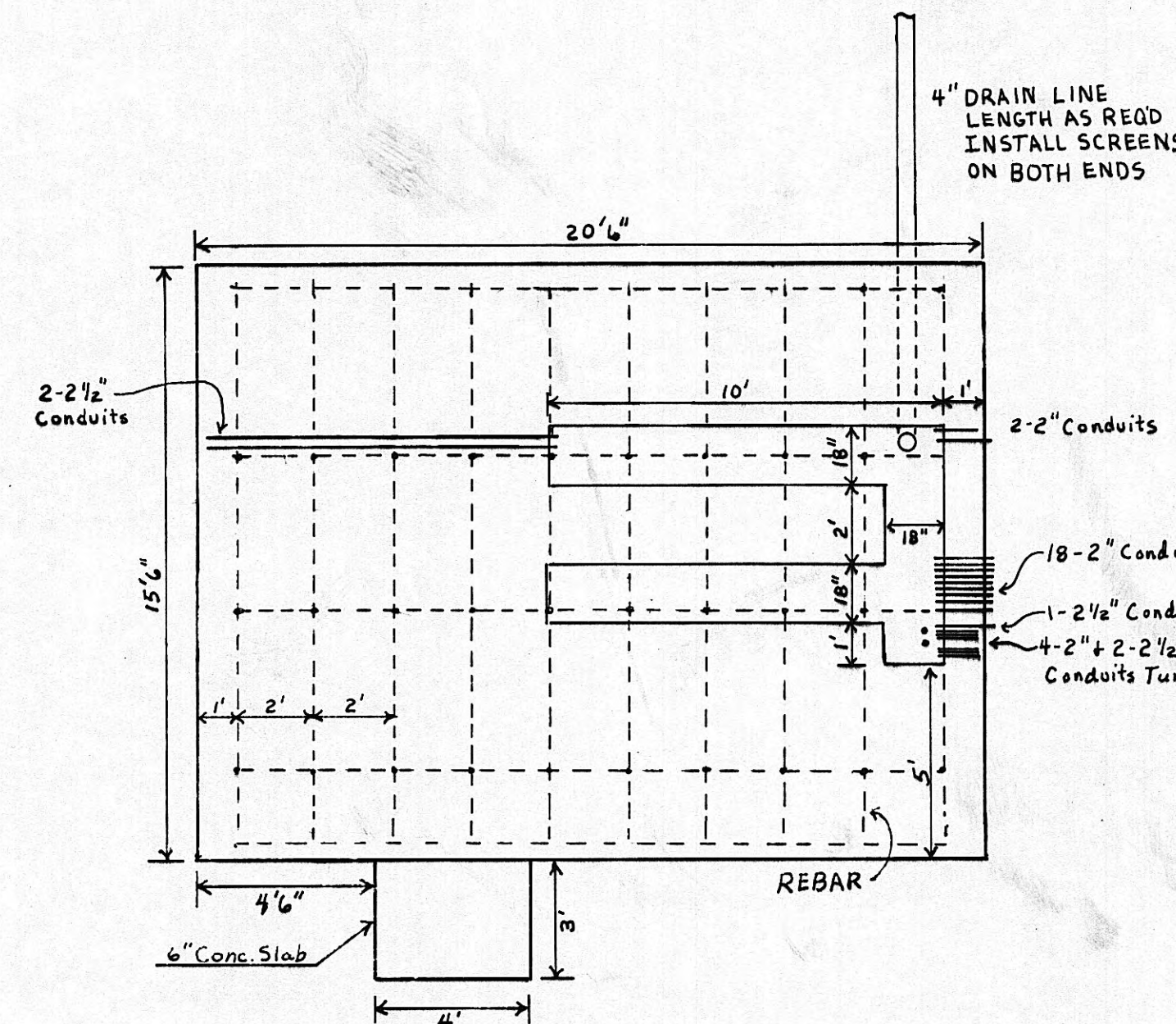
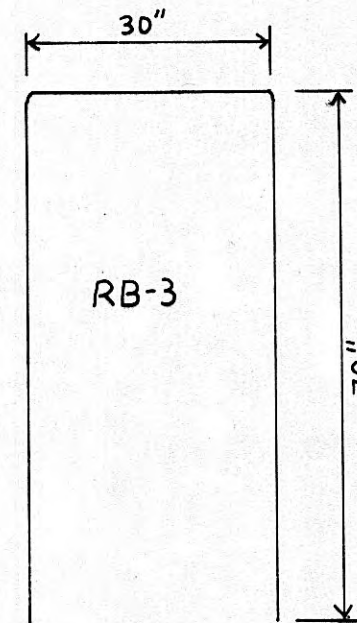
RB-6  
42"



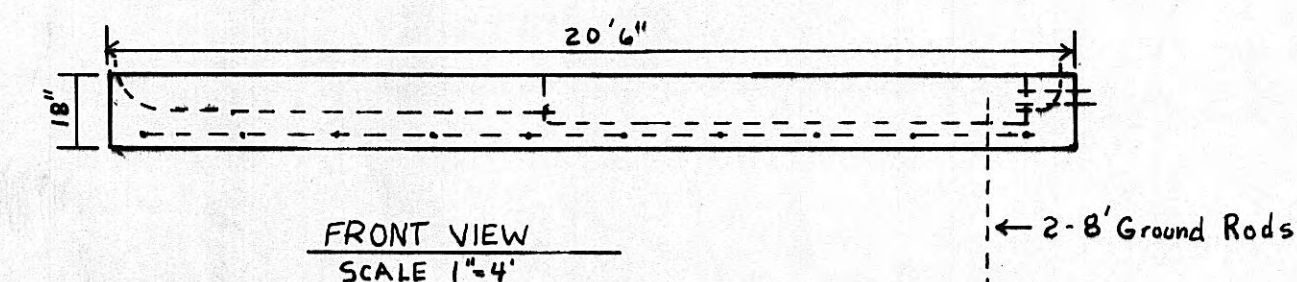
RB-4  
67"



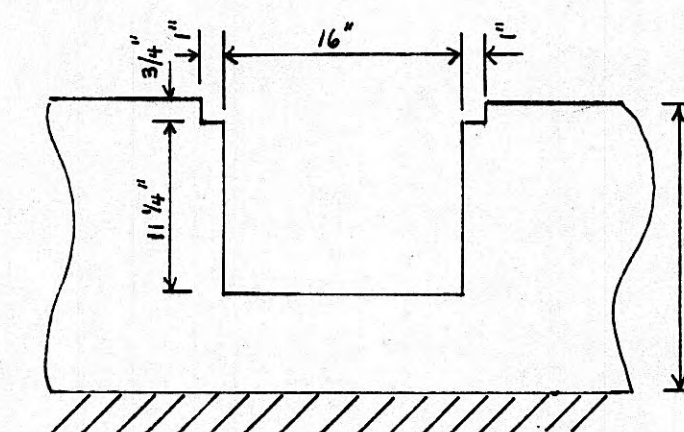
RB-5  
54"



CONTROL BUILDING  
1 REQ'D SCALE 1"=4'



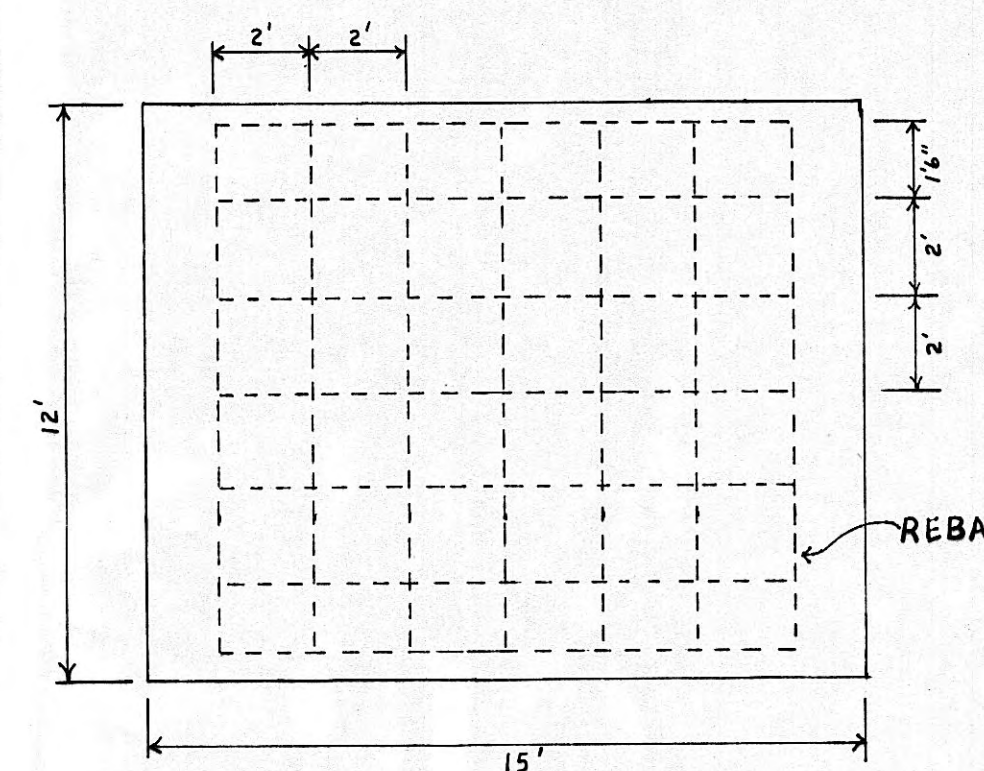
SIDE VIEW CONTROL BUILD.  
SCALE 1"=2'



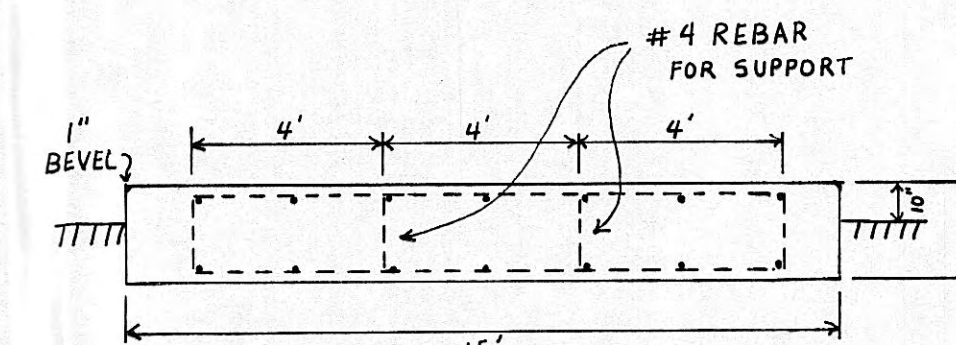
TRENCH DETAIL  
CONTROL BUILD.

69KV BREAKER PAD  
1 REQ'D

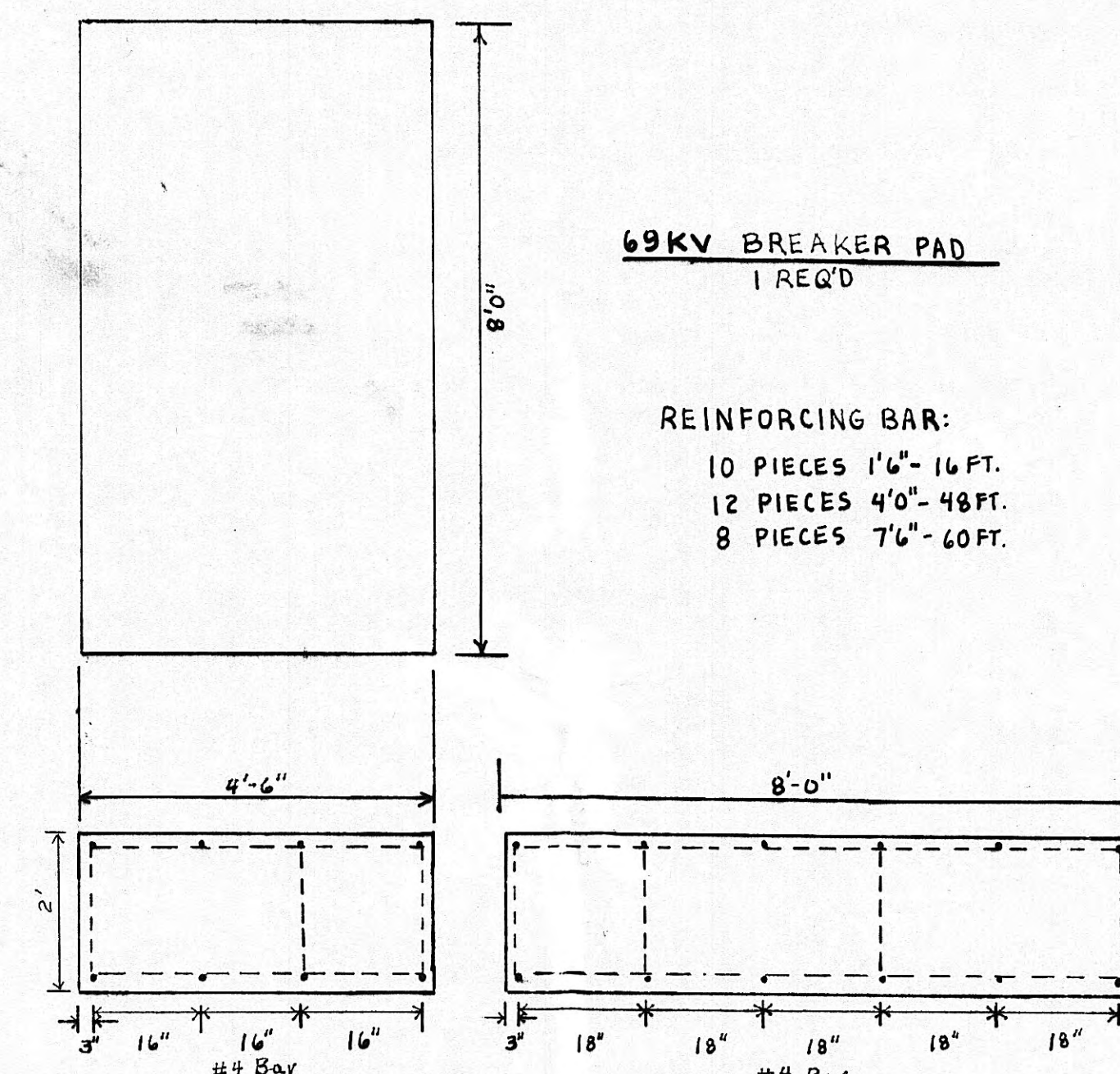
REINFORCING BAR:  
10 PIECES 1'6"-16 FT.  
12 PIECES 4'0"-48 FT.  
8 PIECES 7'6"-60 FT.



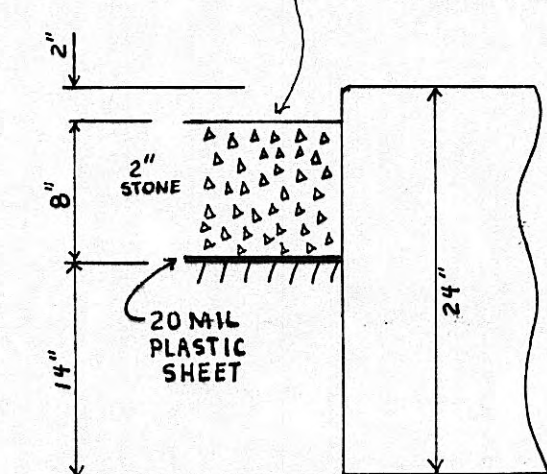
SCALE 1"=4'



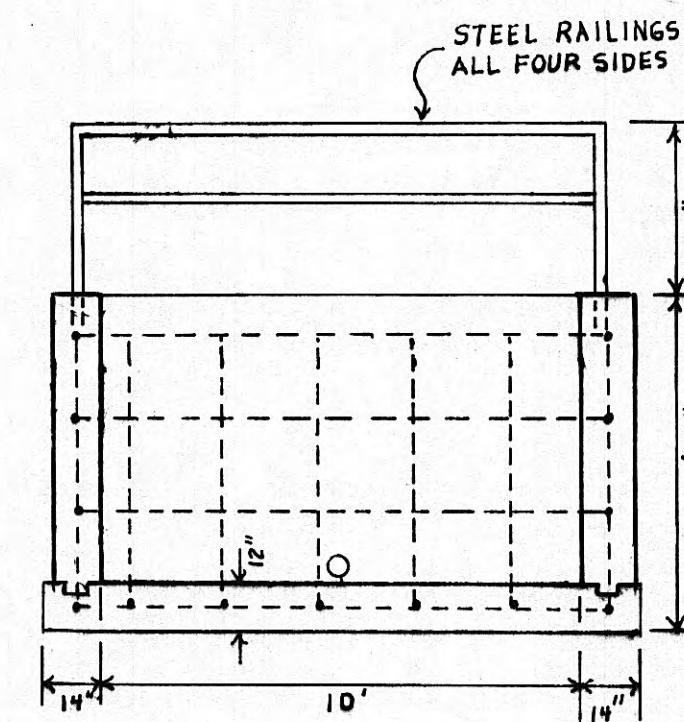
TRANSFORMER PAD  
2 REQ'D



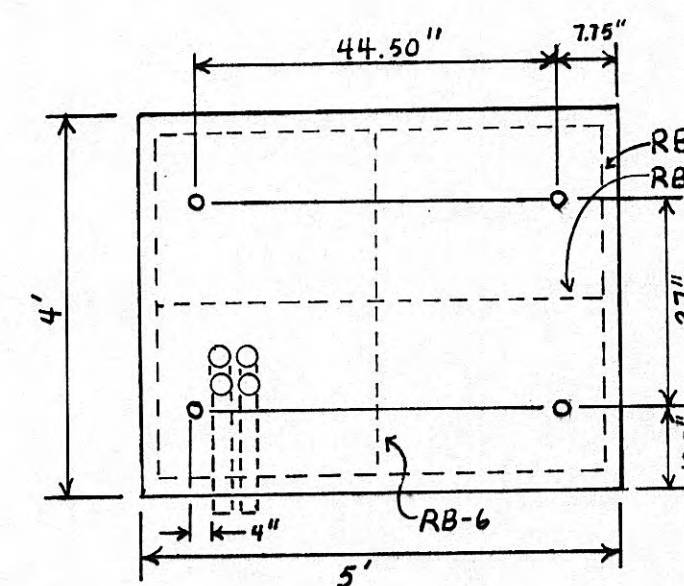
OIL ABSORPTION  
BED AROUND  
TRANSFORMER PADS



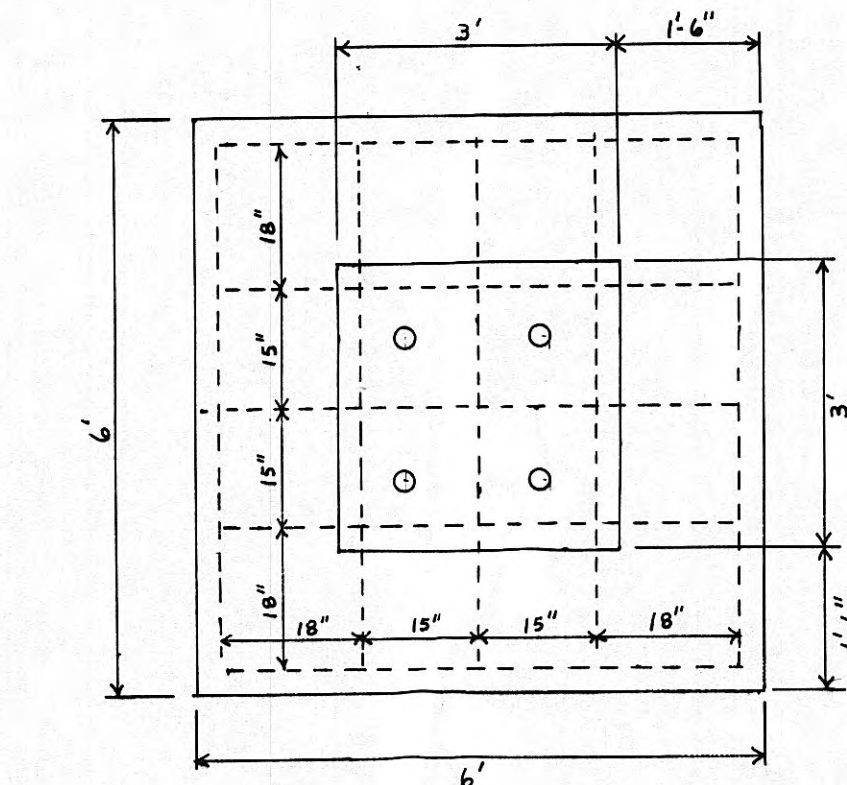
PROFILE ENLARGEMENT  
SCALE 1"=1'



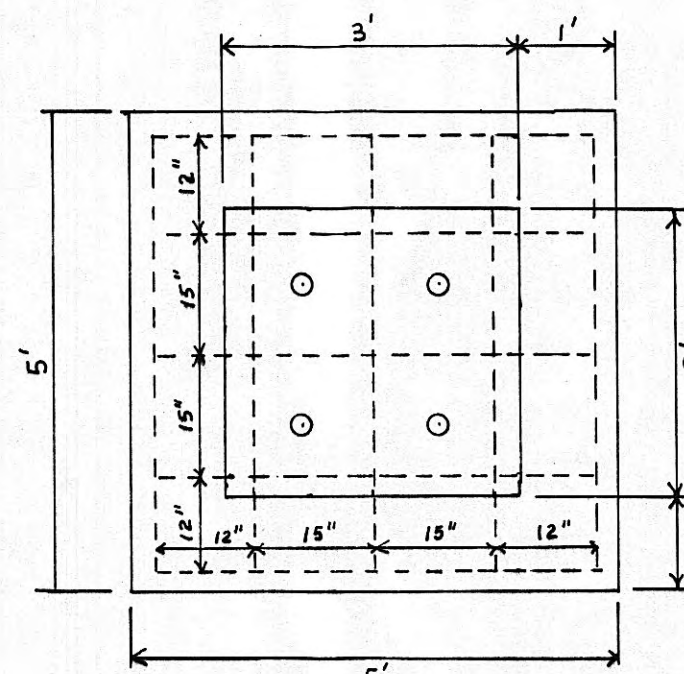
SIDE VIEW  
RETENTION BASIN  
1 REQ'D



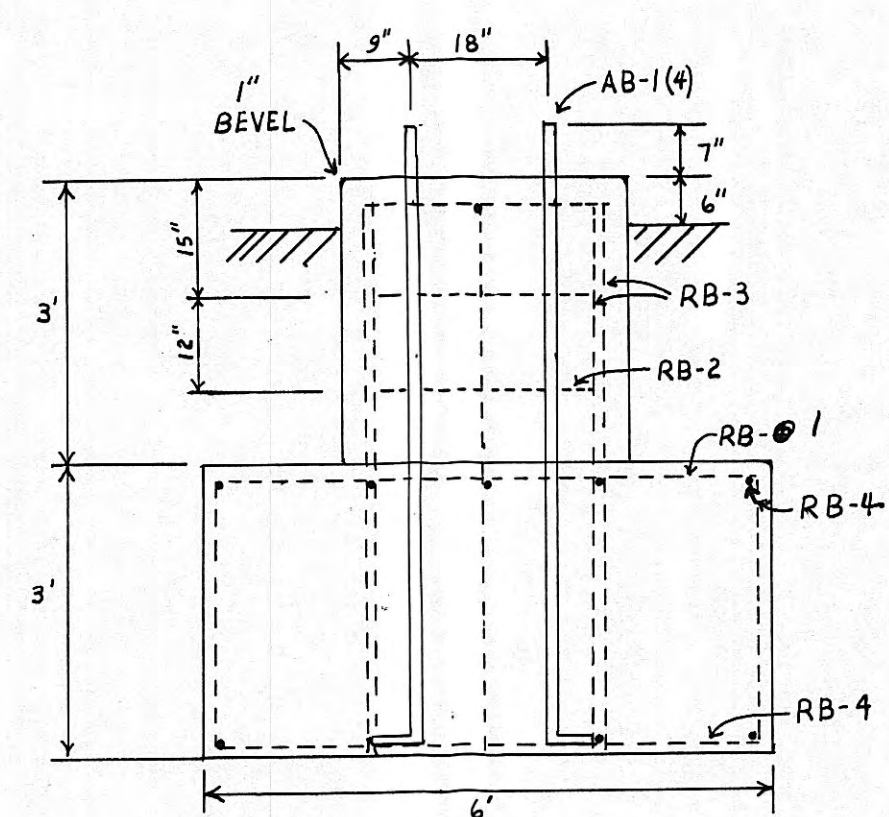
BREAKER PAD  
6 REQ'D



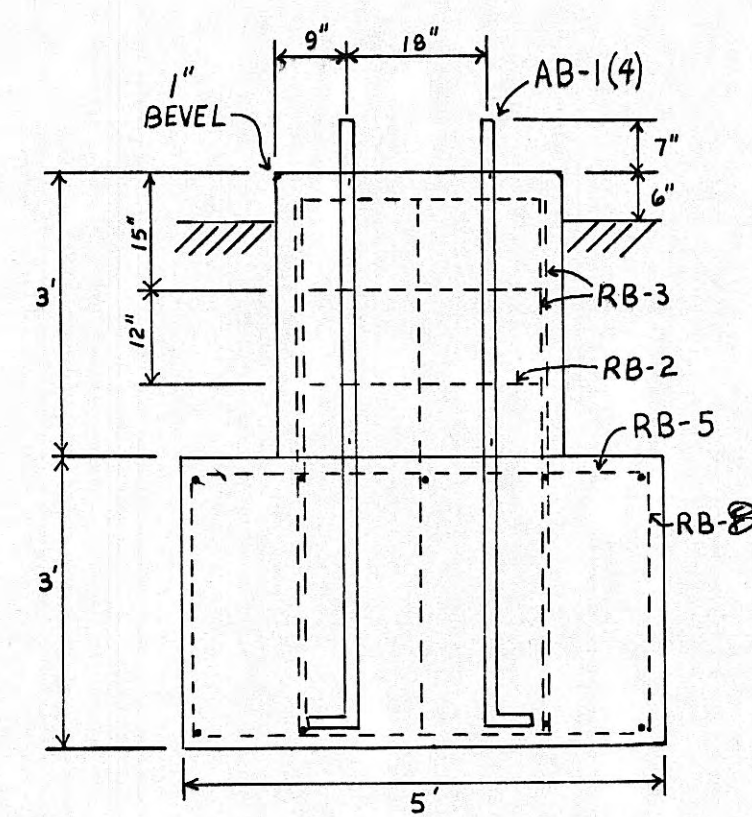
FOOTING FA  
REQ'D



FOOTING FB  
2 REQ'D



SCALE: 1"=2'

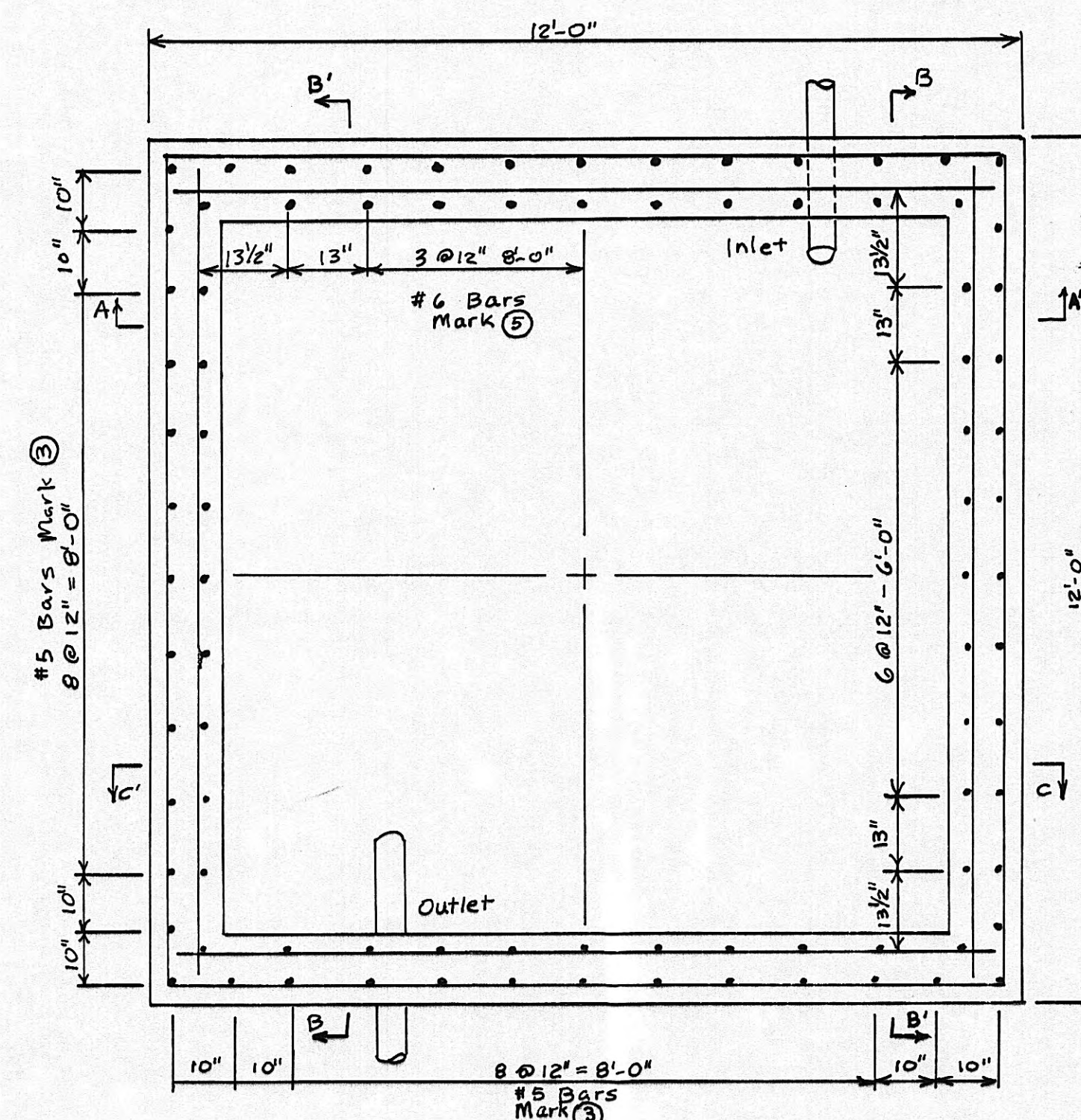


HARRIMAN UTILITY BOARD  
HARRIMAN, TENNESSEE

SCALE: DATE: 5/13/97	APPROVED BY: R. B.	DRAWN BY: R. B.
HARRIMAN DISTRICT SUBSTATION		DRAWING NUMBER
FOUNDATION DETAIL		

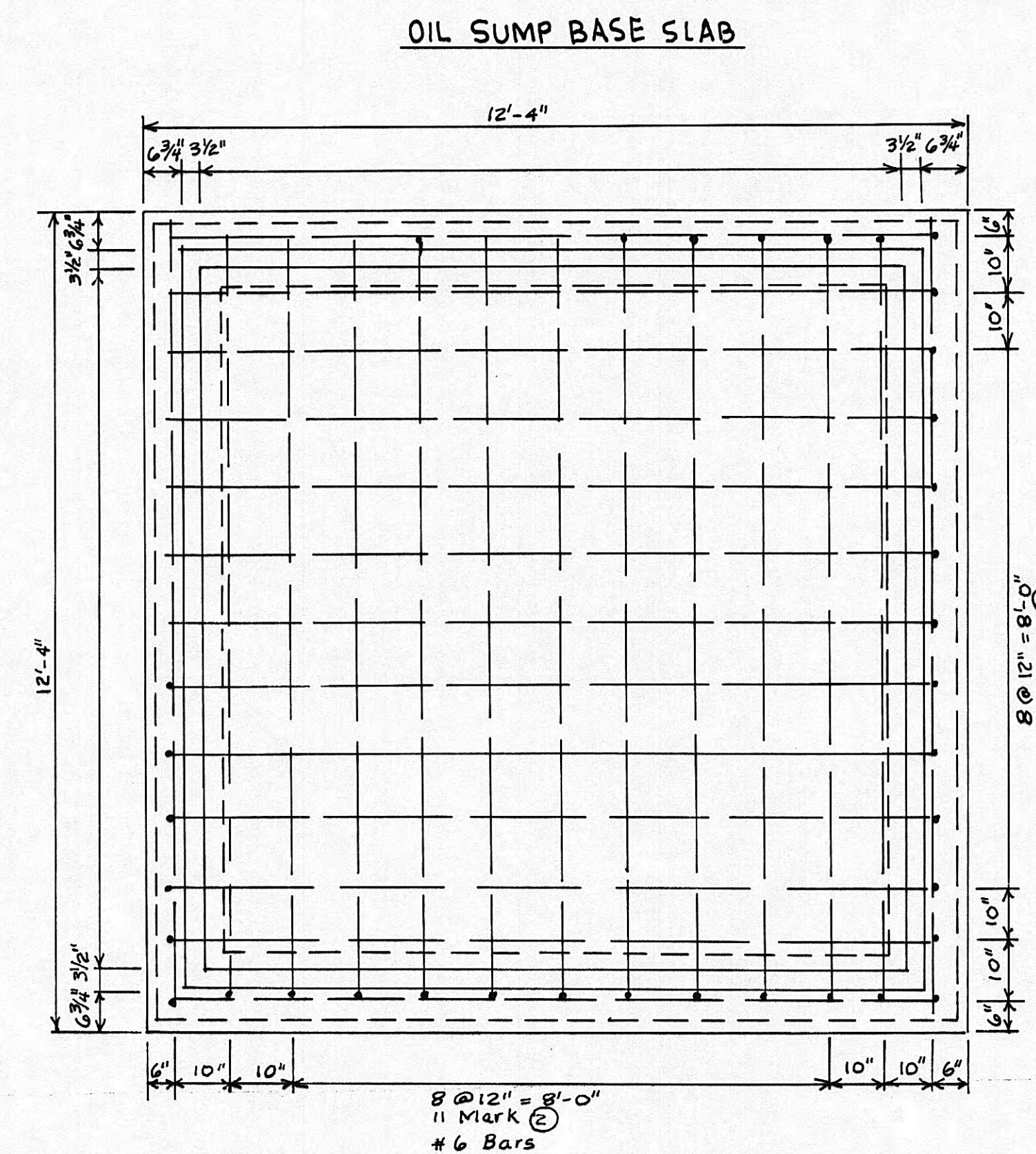


### ELEVATION OF DRAIN SYSTEM



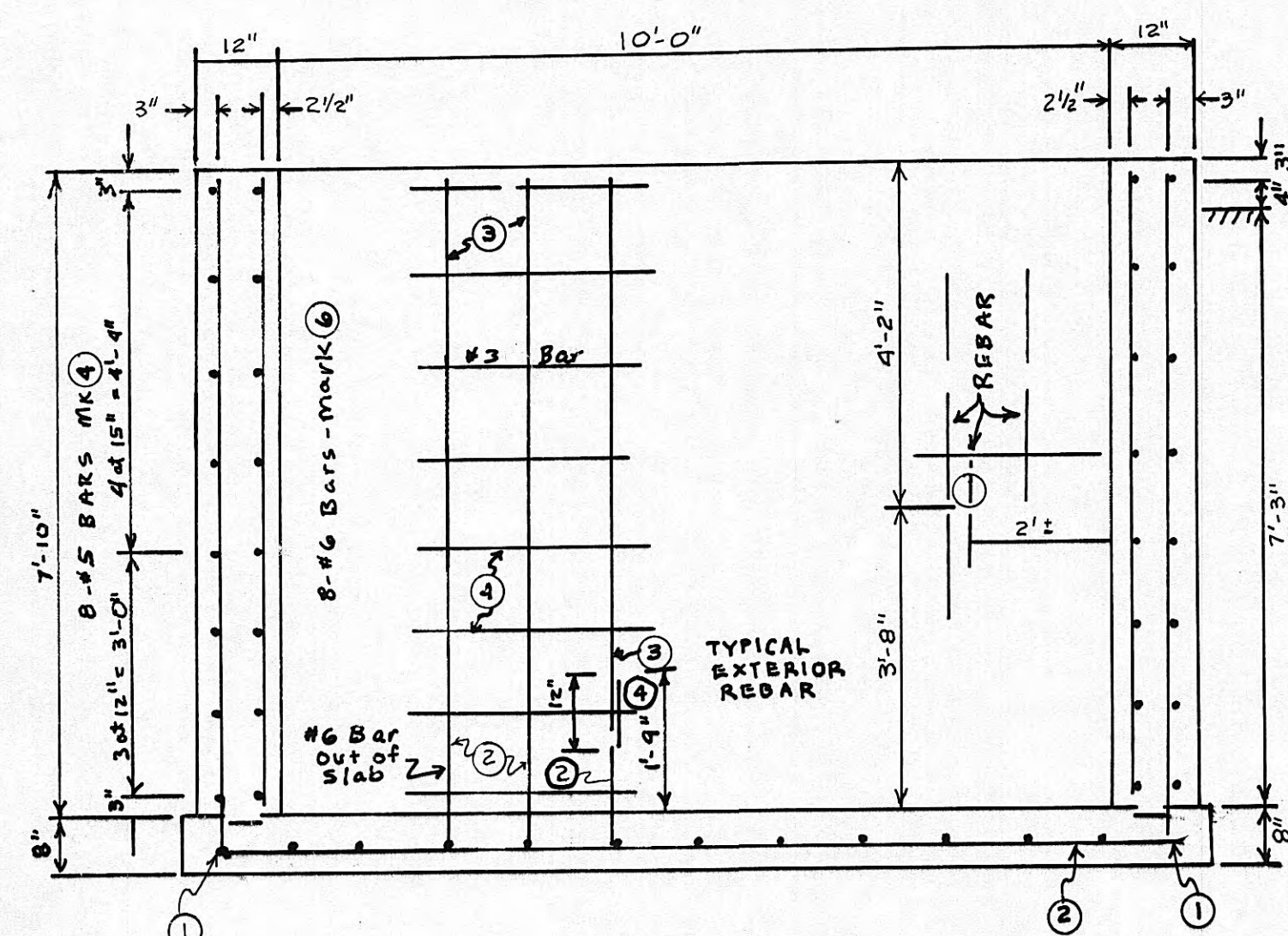
NOTE:  
Do not splice outside  
horizontals within  
3' of a corner.

### OIL SUMP PLAN VIEW

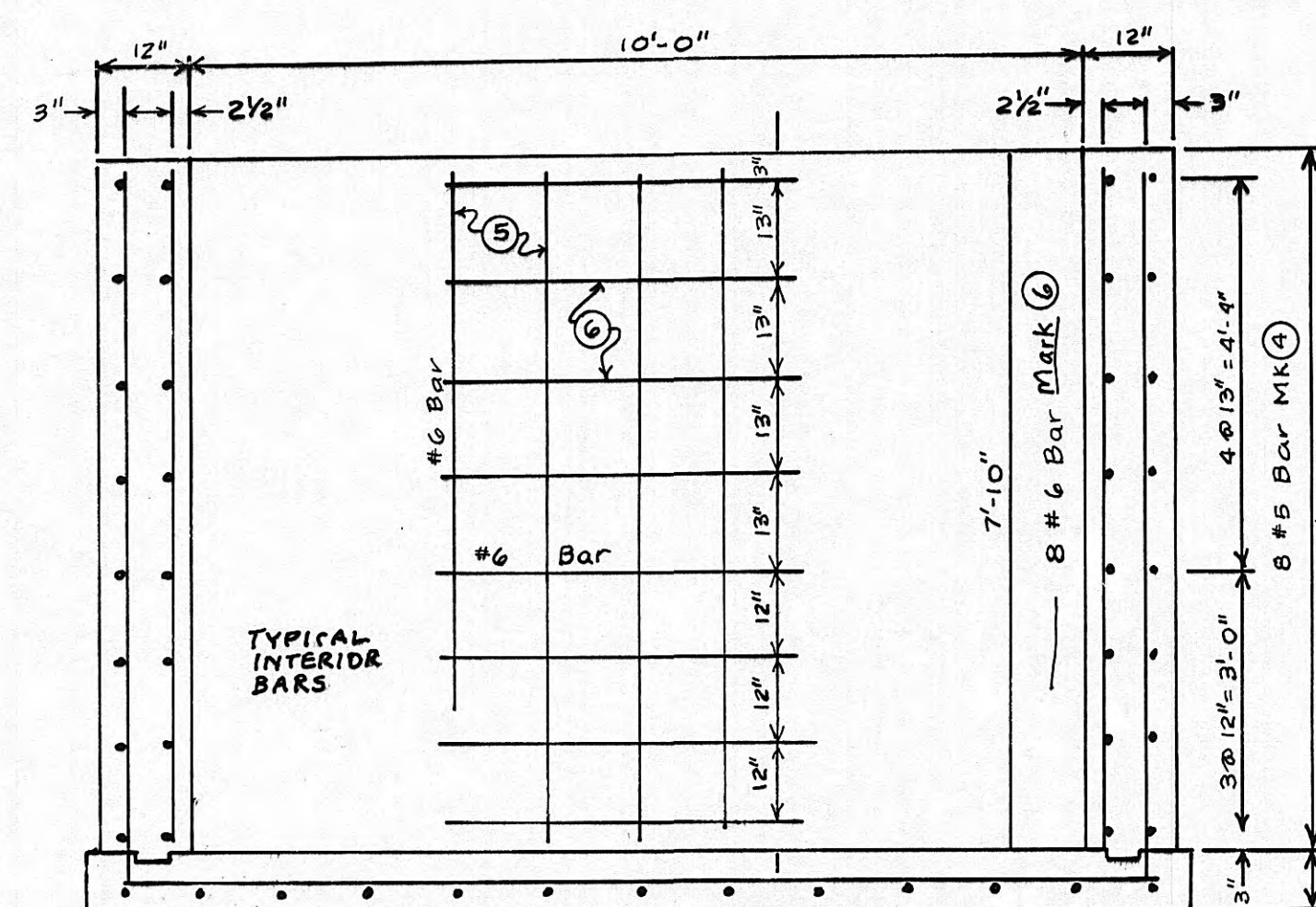


## REINFORCING

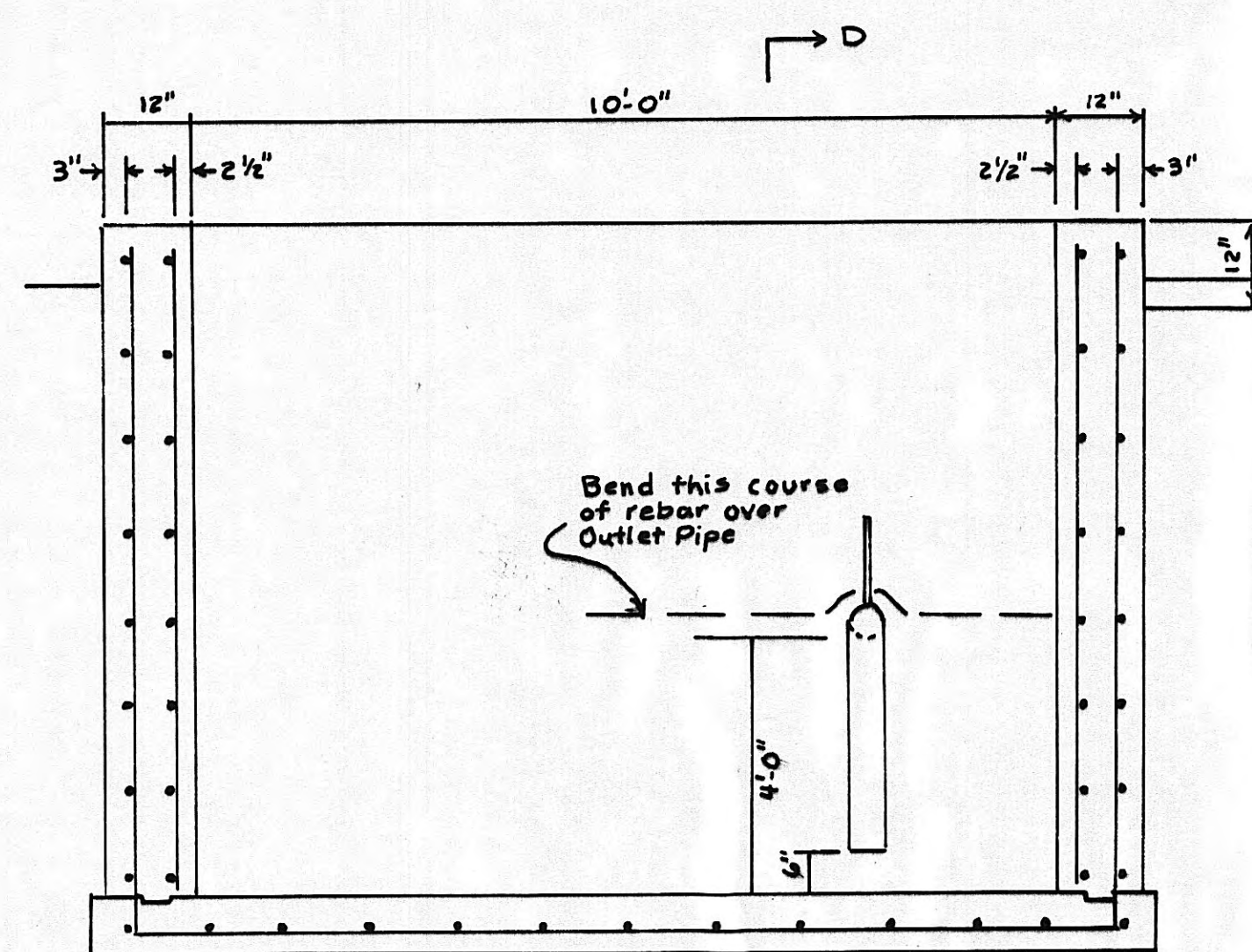
- Mark (1)  
2 reqd
- Mark (2)  
24 reqd
- 
- #6 Bar - 15'-8 3/4" Long
- Mark (3)  
48 reqd
- #5 Bar 6'-10" Long
- Mark (4)  
8 reqd
- #5 Bar - Random lengths  
50 ft.
- Mark (5)  
40 reqd
- #6 Bar 7'-5" long
- Mark (6)  
32 reqd
- #6 Bar 11'-4" long



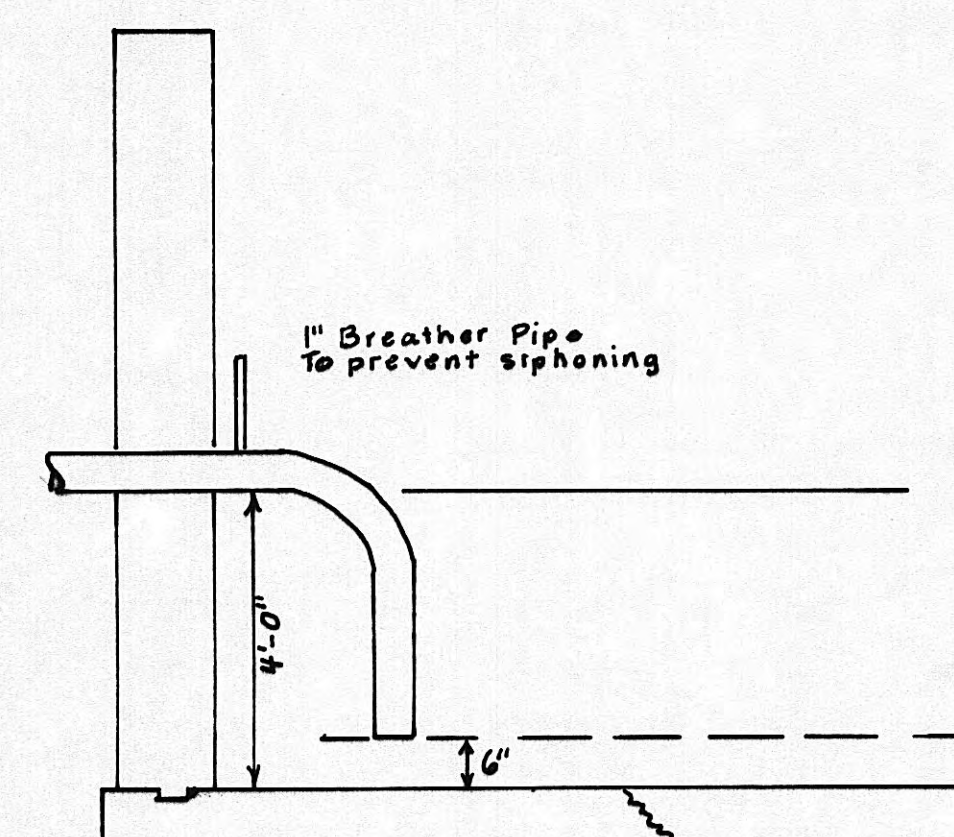
SECTION AA'



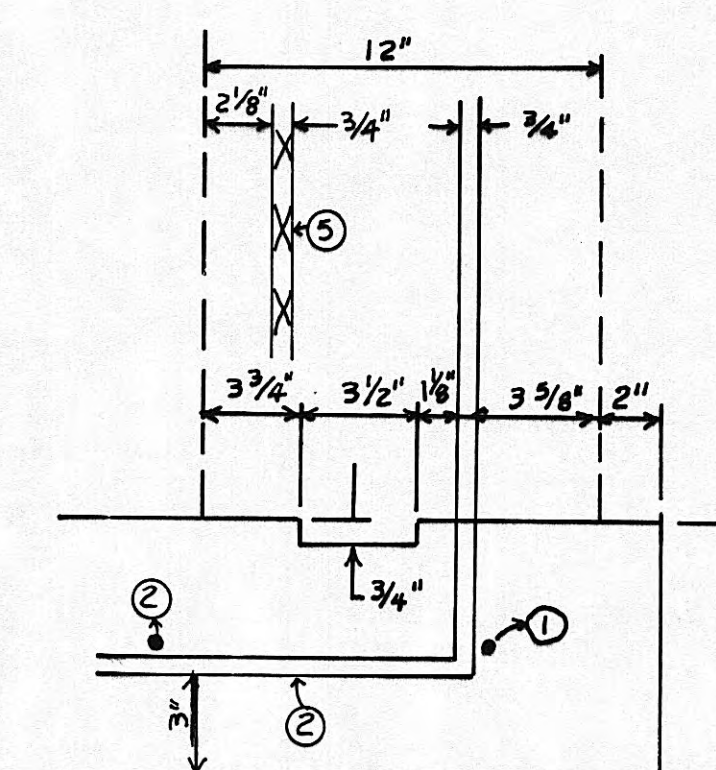
SECTION BB



SECTION C-C'



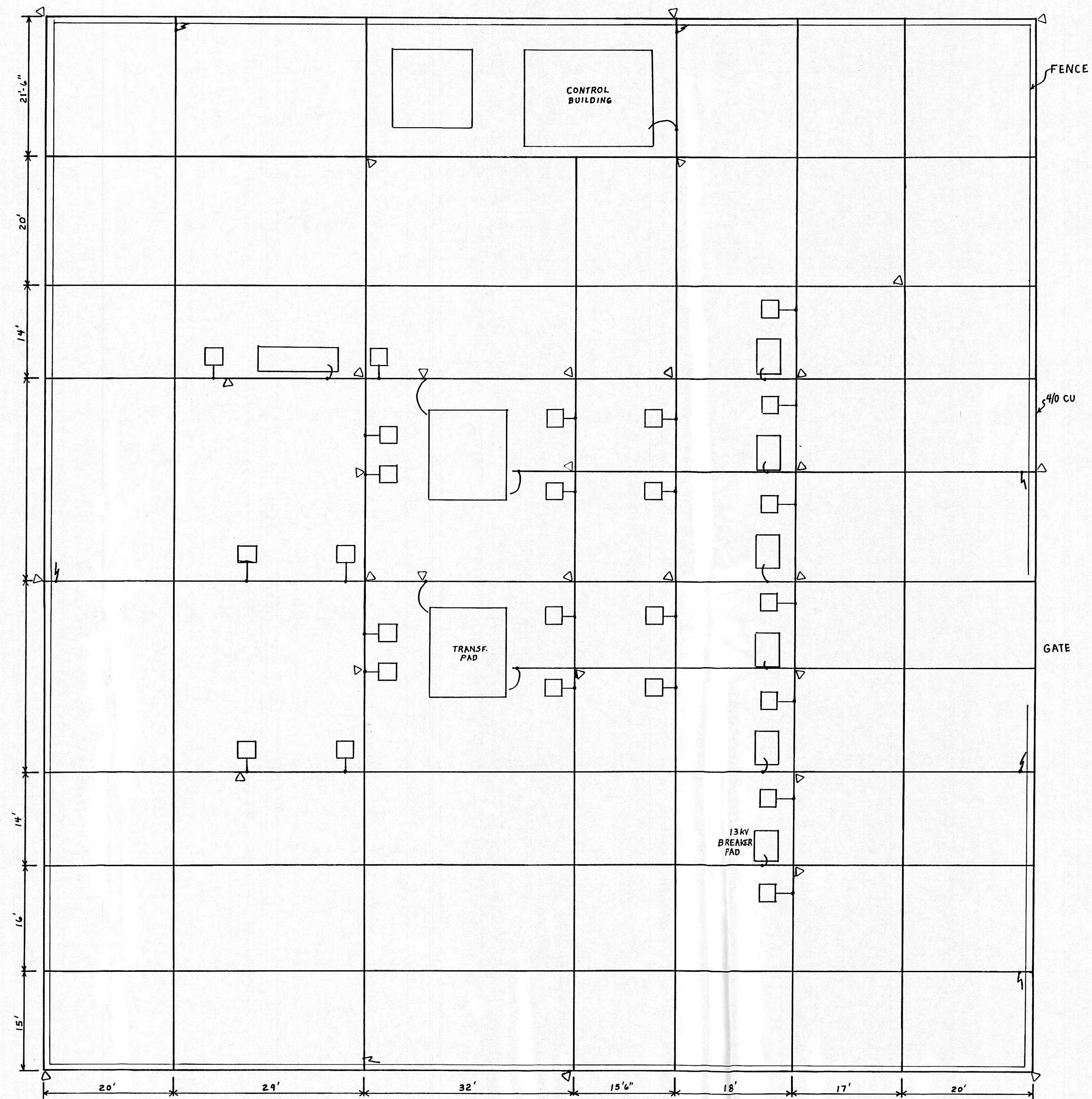
SECTION DD



DETAIL OF SLAB & WALL JOINT  
SHOWING KEYWAY

HARRIMAN UTILITY BOARD HARRIMAN, TENNESSEE			
SCALE:	APPROVED BY		DRAWN BY
DATE: 8/4/97			RB
HARRIMAN DISTRICT SUBSTATION			
FOUNDATION PLAN			DRAWING NUMBER



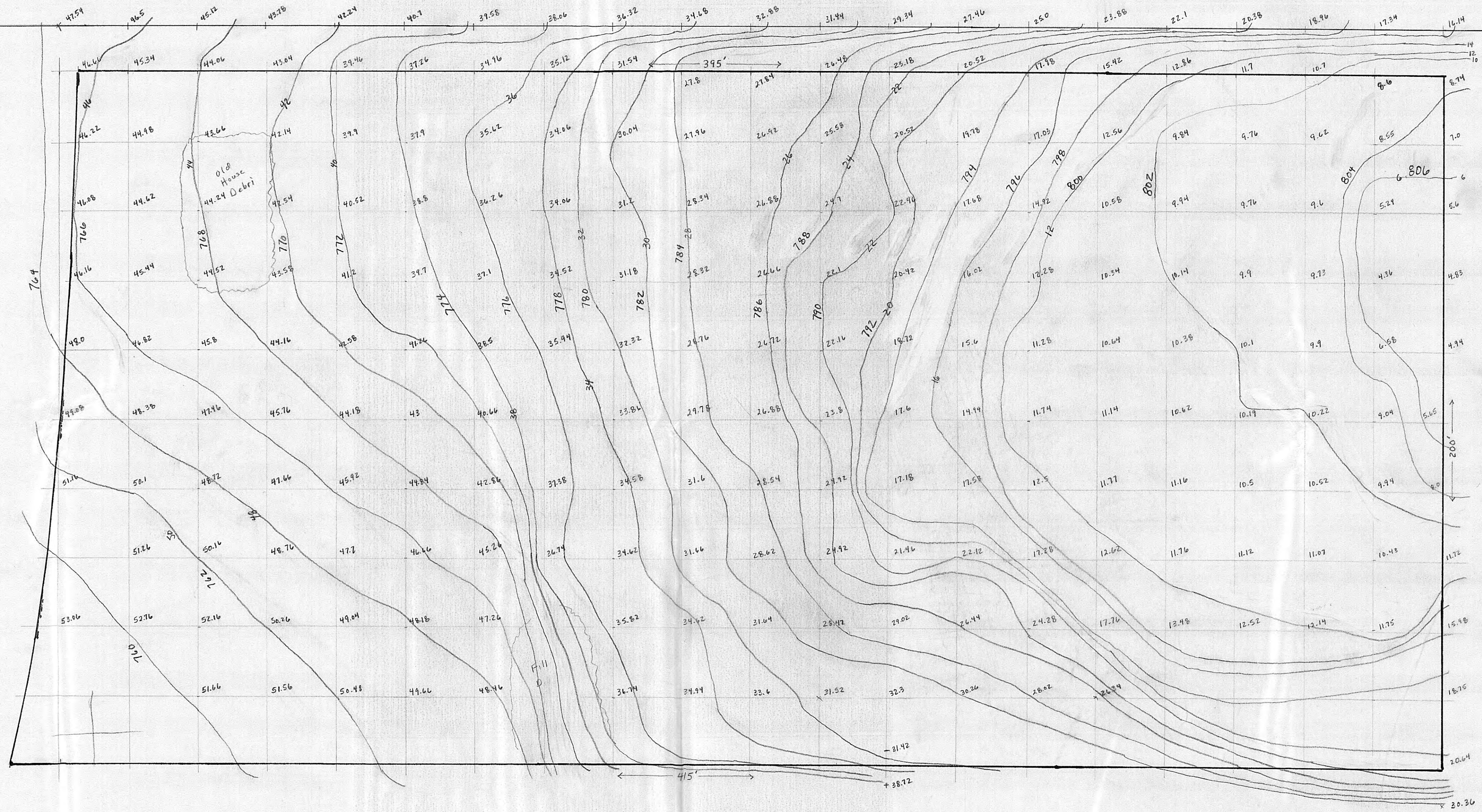


$\Delta$ $\nabla$ $\nabla$ $\nabla$	5/8" x 8' COPPERWELD GROUND ROD
	STRUCTURE GROUND 4/0 Cu.
	EQUIPMENT GROUND 4/0 Cu.
	FENCE GROUND 1/0 Cu.
<p>4/0 COPPER GRID BURIED 18" BELOW EARTH GRADE.</p> <p>CONNECT EACH CROSSOVER AND TEE JUNCTION POINT.</p> <p>CONNECT EACH GROUND ROD TO ADJACENT GRID RUN.</p>	

HARRIMAN UTILITY BOARD HARRIMAN, TENNESSEE		
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HARRIMAN DISTRICT SUBSTATION		
GROUND GRID		DRAWING NUMBER



MARGRAVE ST.



HARRIMAN UTILITY BOARD

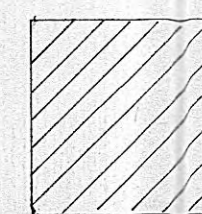
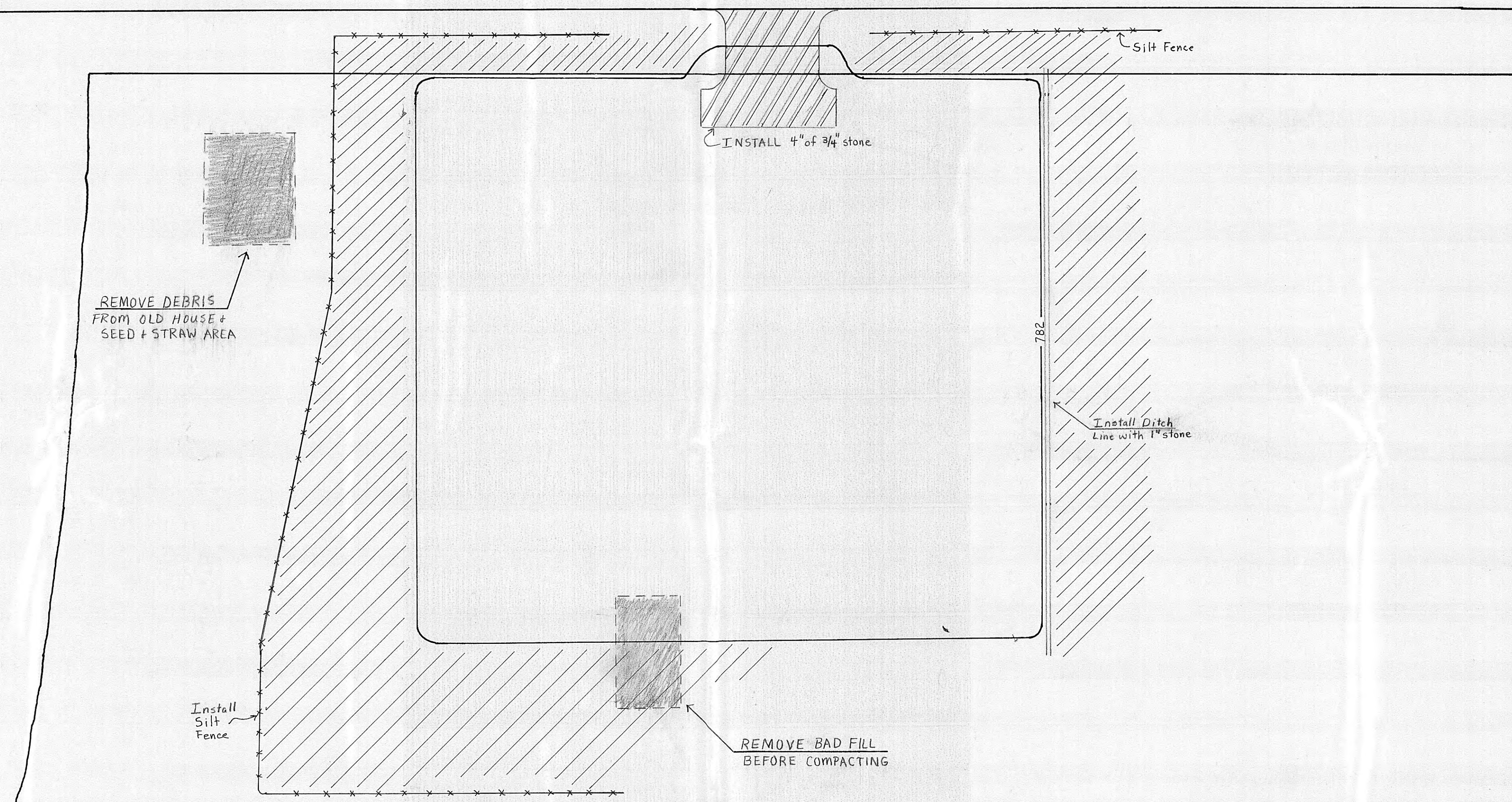
SCALE: 1" = 20' APPROVED BY DRAWN BY RB

DATE: DRAWING NUMBER

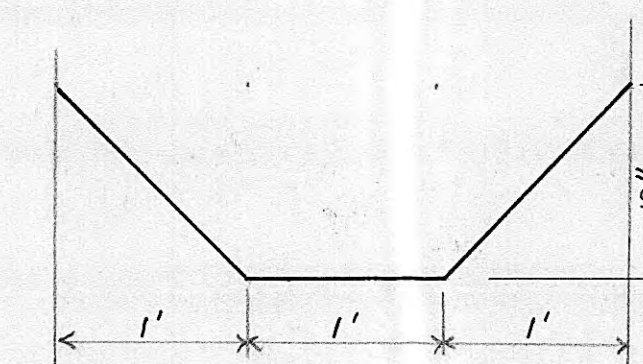


WATER PLANT

MARGRAVE ST.



SHADED AREA: INSTALL  
TOPSOIL, GRASS SEED + STRAW



DITCH DETAIL  
LINE WITH 1" STONE

HARRIMAN UTILITY BOARD

SCALE: 1"=20'	APPROVED BY	DRAWN BY
DATE: 3/1/97		R. BLEVINS
HARRIMAN DISTRICT SUBSTATION		
GRADING PLAN.	DRAWING NUMBER	2 of 2



WATER PLANT

MARGRAVE ST.

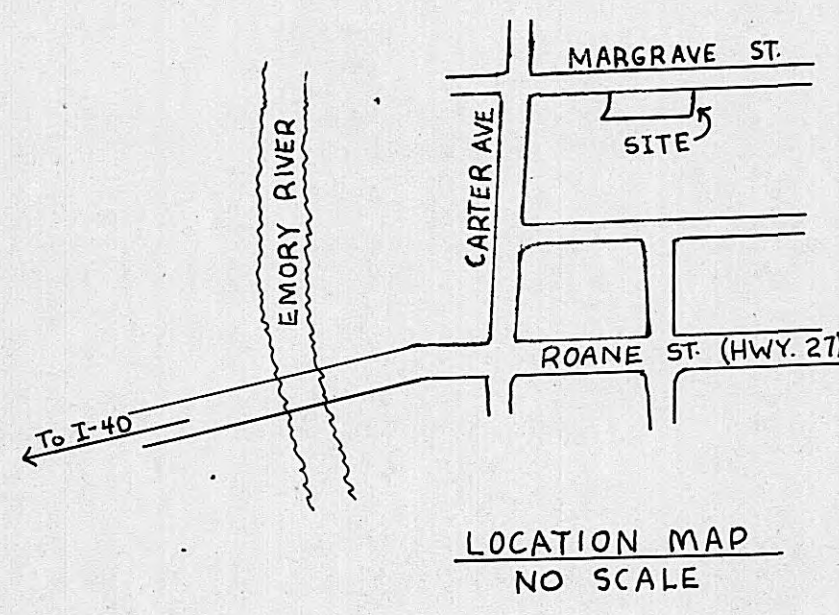
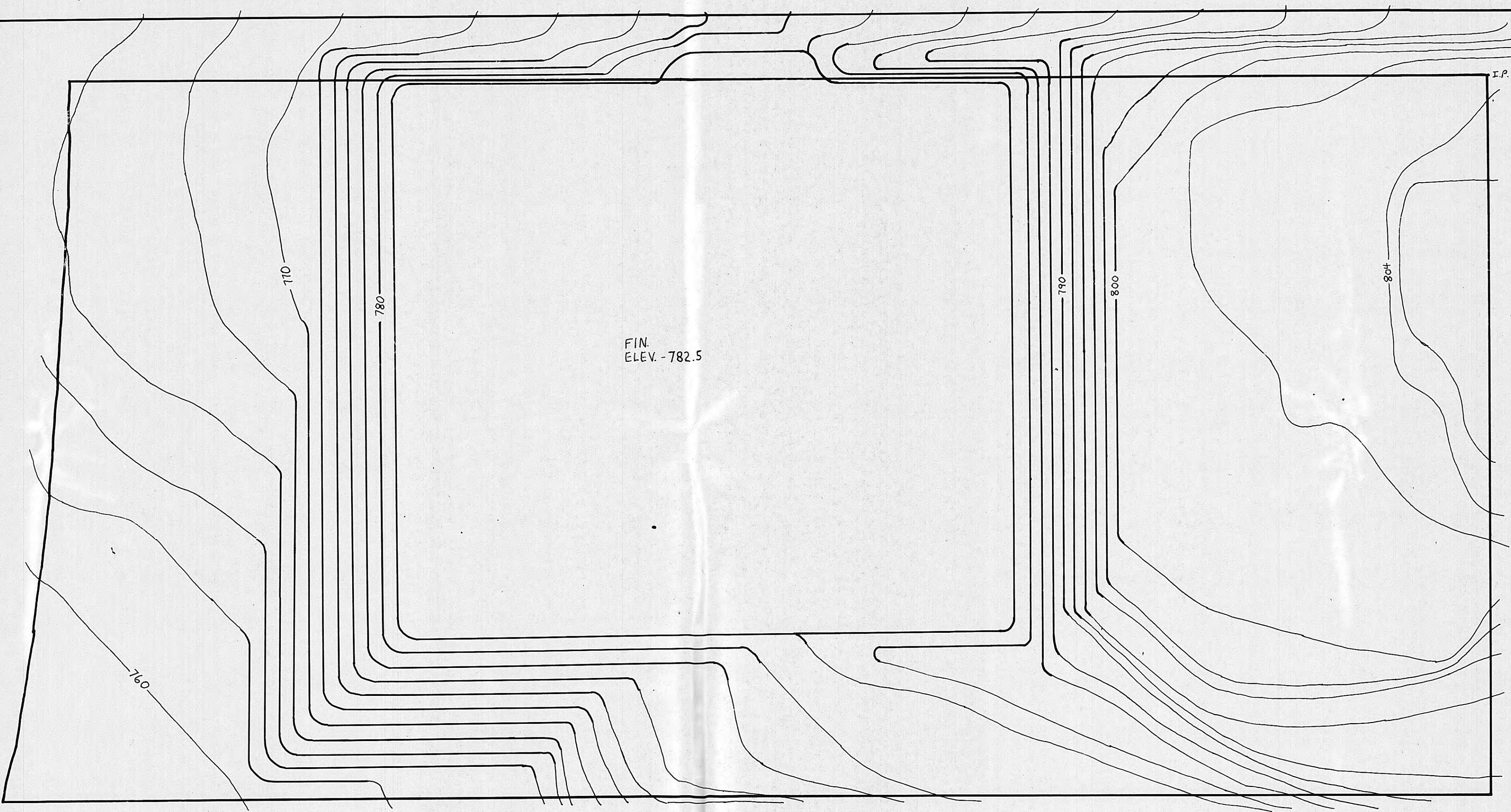


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HARRIMAN DISTRICT SUBSTATION		
TOPOGRAPHY PLAN		DRAWING NUMBER 1 of 1



H.U.B. WATER PLANT

MARGRAVE ST.

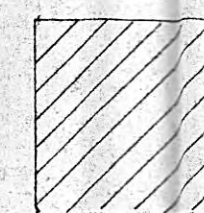
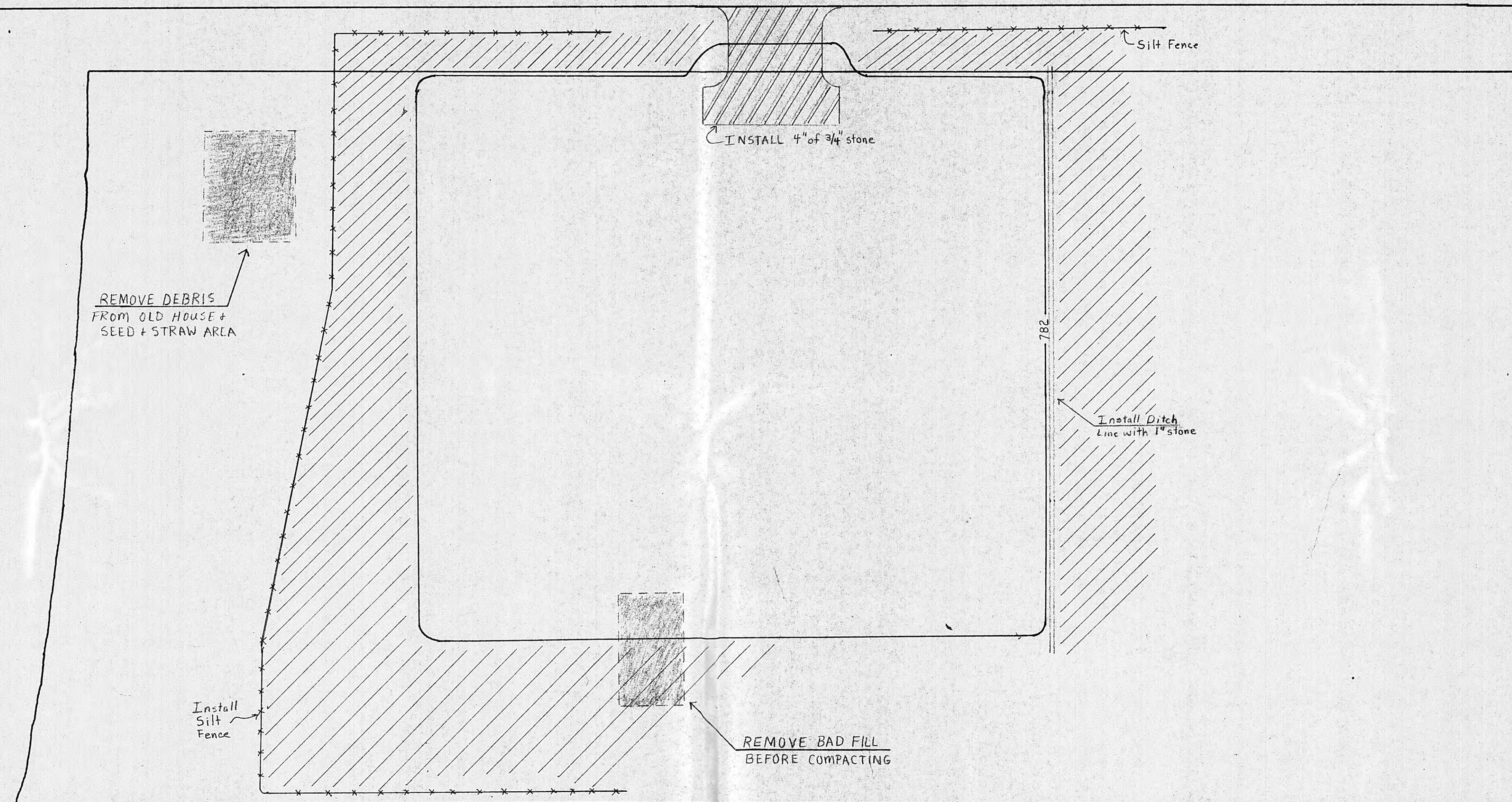


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HARRIMAN DISTRICT SUBSTATION	
GRADING PLAN	DRAWING NUMBER 1 of 2

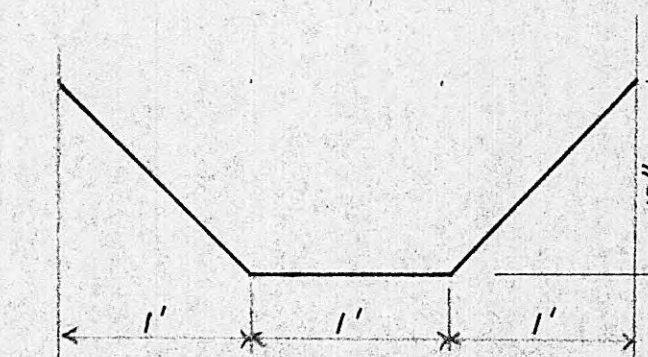


WATER PLANT

MARGRAVE ST.



SHADED AREA: INSTALL  
TOPSOIL, GRASS SEED + STRAW



DITCH DETAIL  
LINE WITH 1" STONE

HARRIMAN UTILITY BOARD

SCALE: 1"=20'	APPROVED BY	DRAWN BY
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HARRIMAN DISTRICT SUBSTATION		
GRADING PLAN		DRAWING NUMBER 2 of 2



WATER PLANT

MARGRAVE ST.

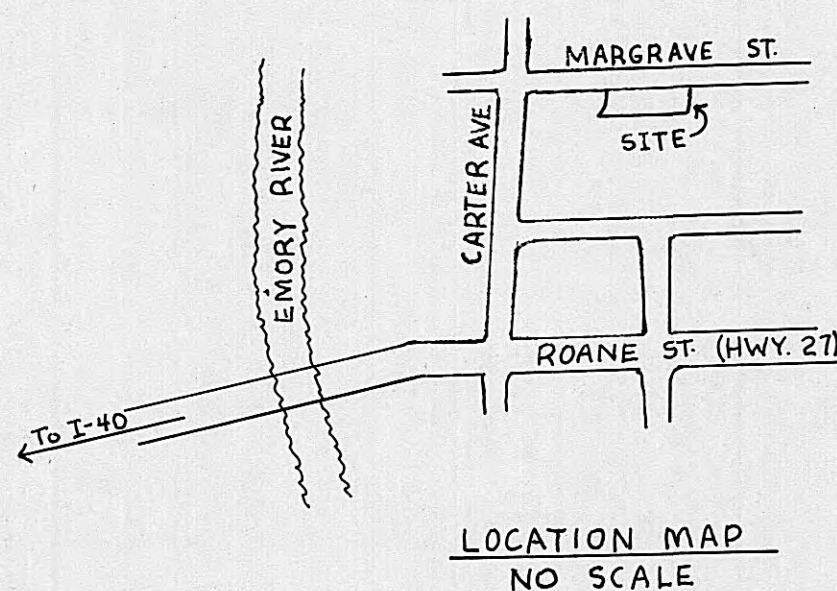
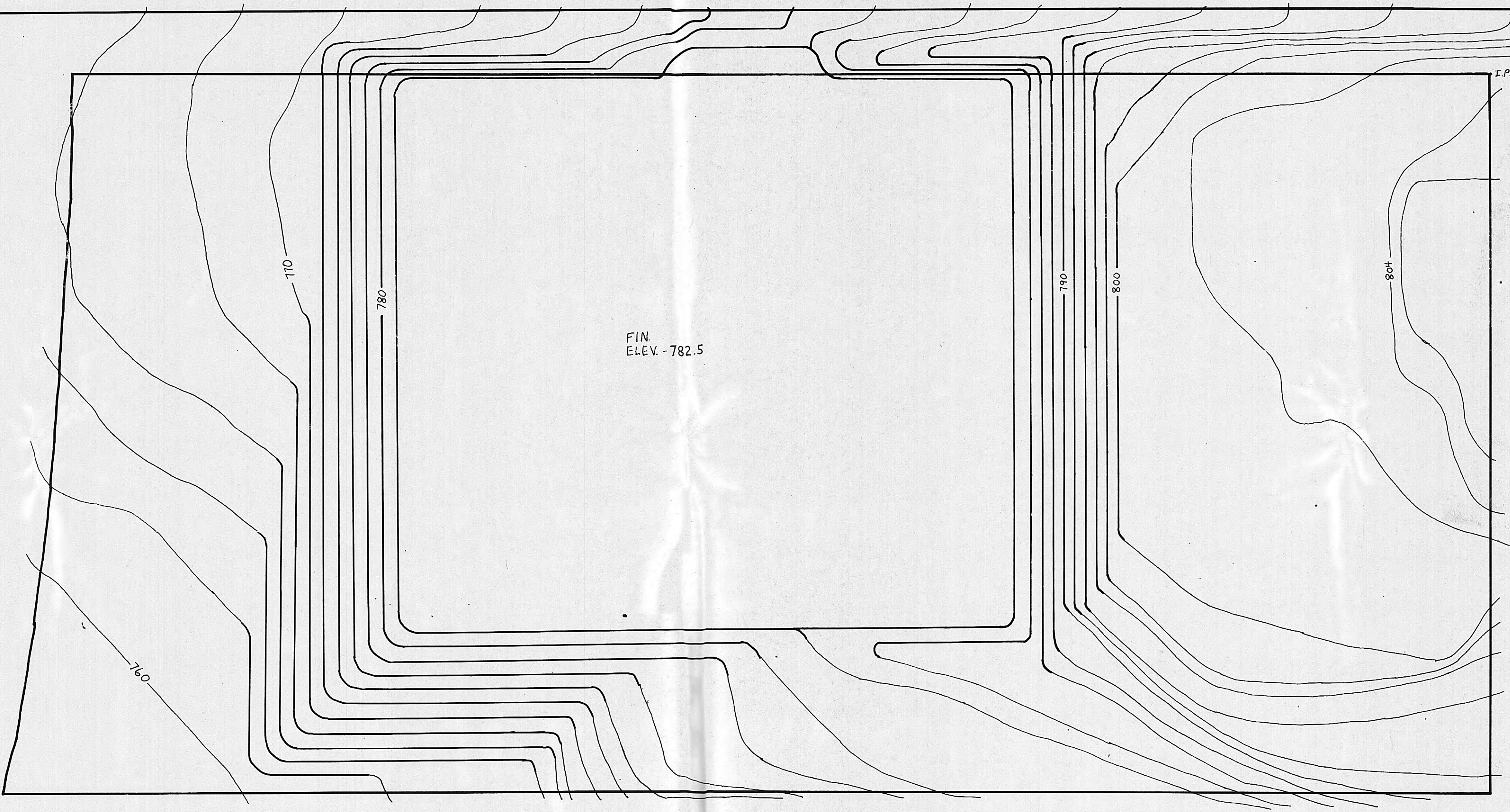


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DATE: 3/7/97	R. BLEVINS
HARRIMAN DISTRICT SUBSTATION	
TOPOGRAPHY PLAN	DRAWING NUMBER 1 of 1



H.U.B. WATER PLANT

MARGRAVE ST.

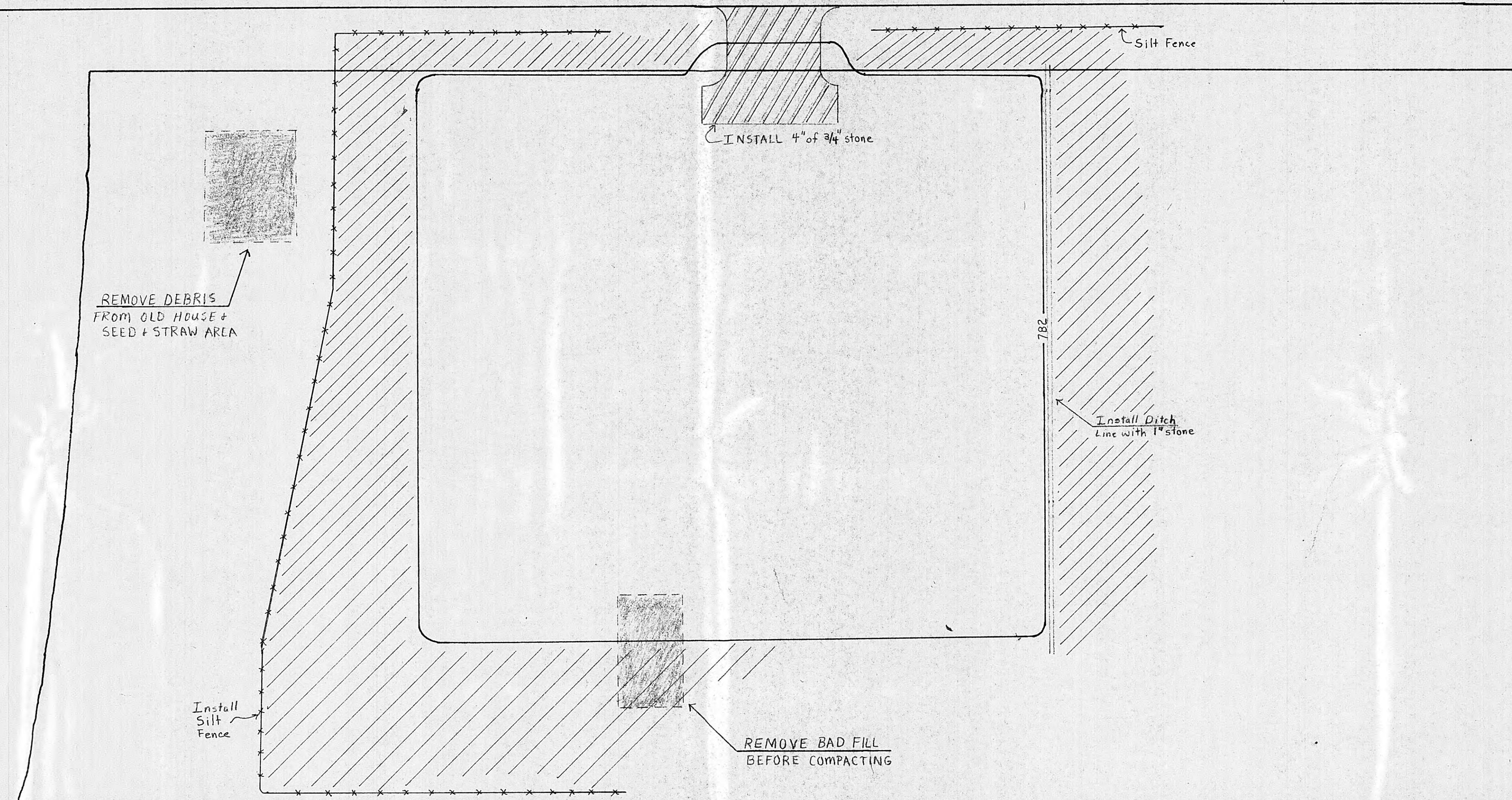


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HARRIMAN DISTRICT SUBSTATION		
GRADING PLAN		DRAWING NUMBER
		1 of 2

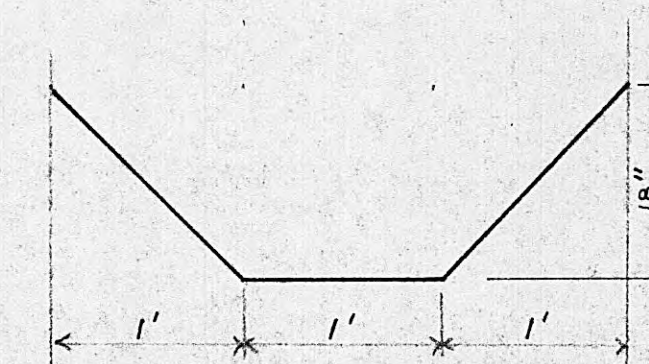


WATER PLANT

MARGRAVE ST.



SHADED AREA: INSTALL  
TOPSOIL, GRASS SEED + STRAW



DITCH DETAIL  
LINE WITH 1" STONE

HARRIMAN UTILITY BOARD

SCALE: 1"=20'	APPROVED BY	DRAWN BY
DATE: 3/7/97		R. BLEVINS
HARRIMAN DISTRICT SUBSTATION		
GRADING PLAN		DRAWING NUMBER
		2 of 2